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By Samuel Webb

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Dissertation on the
Treatment of Intermittent fever

By Samuel Webb
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The Intermittent form of fever is almost entirely confined to low and marshy countries, and periodically returns in the autumnal season of the year. These circumstances were early taken notice of by physicians and long occupied their ingenuity in explaining the cause, why intermittents should prevail not only at certain seasons of the year, but also in particular situations.

About the middle of the seventeenth century Lancesi an Italian ^{Physician} reflecting that autumn was a season in which an extensive putrefaction of vegetable matter took place, threw out the idea that this putrefaction might impart some peculiar quality to the exhalations from stagnant water and moist grounds which was the production cause of intermittent fever. This opinion was readily adopted by the contemporaries of Lancesi, as affording the most satisfactory solution of the problem; and is acknowledged by the physicians of the present day. But what is the particular nature of this miasma it is impossible to say, it being utterly impracticable to contemplate it in an embodied state.

The intermittent fever is that which consists of a succession of paroxysms, between each of which there is a distinct and perfect intermission from febrile symptoms.

Different appellations have been given to this fever, according to the space of time observed between the periods of its return. When it comes on within the space of

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every twenty-four hours, it is called a quotidian; when it appears every other day, or there is a space of forty-eight hours between its attacks, it is called a tertian; and when it attends on the first and fourth day, with an interval of seventy-two hours it is named a quartan. That which is marked by a tertian type is most apt to prevail in the spring, and is, indeed, the most predominating form of the disease. The quartan is the most intractable and is chiefly prevalent in Autumn.

Of the quotidian, tertian, and quartan intermittents, there are several varieties and forms, as the double tertian, having a paroxysm every day with the alternate paroxysms similar to one another.

The double tertian, with two paroxysms every other day. The triple tertian, with two paroxysms on one day, and one on the next.

The double quartan, with two paroxysms on the first day, none on the second and third, and two again on the fourth. The triple quartan, with three paroxysms every fourth day.

In conducting the treatment of intermittent fever, a physician should be governed by two leading indications. first: he is to terminate the paroxysm as soon as possible. — secondly: during the intermission he must endeavor to prevent the recurrence of the paroxysm at the usual or any succeeding period.

In proceeding to the accomplishment of the first indication, he must aim at procuring a solution of the stage which is present, by inducing that which is to succeed, till a general sweat comes on.

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A practitioner called to a patient in the cold fit of an intermittent should order him to be put to bed and kept warm; warm dilutions; but not stimulating drinks are to be given him and warm bricks, or bottles of hot water should be applied to the soles of the feet, which will be found useful, not only in shortening the cold stage, but also in promoting the comfort of the patient. Such are the few directions to be attended to in managing the cold fit of an intermittent; but after the hot fit has supervened measures of a much more ample and diversified nature are to be adopted.

As every cause of irritation tends to prolong the hot fit, the patient is to be kept perfectly at rest. His thirst which will be in all probability, very great, must be allayed by frequent, but moderate draughts of cool water; and the temperature of his room is to be graduated by his feelings.

The attention of the practitioner must be directed in a particular manner to the condition of the stomach, as the chief source of irritation may commonly be traced up to some derangement of that viscus. When the patient complains of a good deal of gastric distress, an emetic is proper: but should a spontaneous vomiting occur, it will be only necessary to encourage it by draughts of warm water, or warm chamomile tea.

Should an inflammatory diathesis prevail in the system, venesection must be had recourse to. I am well aware that blood-letting in intermittent fever is considered by many as unnecessary, if not altogether improper. But I

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the disease. I am unable to determine. But I am not in a position
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... of ten or twelve grains to
each dose. The spiritus mindereri or acetate of ammonia is a

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to say that it is not a new medicine. The constitution of
these are countries, which the valuable remedy will bear in
despite of among the Dutch and the Germans the common people
expect it to be a cure in the charges which they pay for it, against
it as to be imputed to an expensive method of curing, it has
in Great Britain and the United States, which it has been used
with greater latitude than perhaps anywhere else, the peruvian
bark is no longer held in suspicion, but is considered as having
substantiated its claims to general usefulness by the numerous
successes that have attended its exhibition. The efficacy of the peruvian
bark is most observable, when it is given in the form of a
draught of the powder bark may be given every hour during
the intermission.

That the bark is so given during the period of
apoplexy is a point, I believe perfectly agreed upon among physicians;
but there is much contrariety of opinion, among them as to the
precise time of that period, at which it should be administered
in the largest quantity. Dr. Sydenham has towards the close of the apoplexy
as near to the time of recovery as the condition of the patient
permits will allow. It is not on the contrary others that
the bark should be given at a remote distance of time as
possible from the next expected accession. With a view
to obtaining immediate relief, I would recommend the bark to be
given from the beginning to the close of the apoplexy in doses
as large and as often repeated as the stomach will retain.

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When the bark disagrees with the stomach some remedy
should be added to calm it. If the bark produce vomiting
five or six grains of ipecacuanha given with each dose. Does
it produce much purging combine with each dose five or six
drops of Laudanum. If you wish to purge - don't think of
the bark only mixes the bowels moderate - but at these times
and day the Laxative had better not be given. I have never heard
of such a moderate & purgation effect having any influence on
"counting a cure". In the contrary it even promotes it by keeping
the bowels in a soluble condition and thus prevents any
accumulation of disease matters in the alimentary canal.

The virtues of the peruvian bark are thought to be augmented
by a combination with the serpentaria. This is the opinion of
the distinguished physician who fills the practical chair in
this university. He observes say that the stomach will retain
the bark when given in this combination when it would
reject it in any other shape.

From the high form of fever in
which I have spoken of the peruvian bark, I would not have
it ordered that it is to be given in all cases of intermittent fever
without any reference to the state of the system, or the
contraindications. Whenever there is an inflammatory diathesis prevailing
in the system, and more particularly when there is much
congestion in the liver or spleen, the bark is altogether improper.

In this case it will be necessary to resort to the directly

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depleting remedies. It is in the most critical cases an
invaluable medicine.

There are some other articles which have
been found successful in the cure of the ague and fever.

The angustura has lately been introduced as a remedy in
this disease, and is declared to be superior to any other degree
of efficacy. Indeed it would appear from some reports to have
succeeded in agues when the Peruvian bark had failed. This
article is used in rather smaller doses than the Peruvian bark.

The cinchona, angustura is another medicine that has of
late years been exhibited with very good success in the intermit-
tents of our country. The usual mode of prescribing it is
in strong infusion of which a wine draught is directed to
be repeated 4 or 5 times during the day.

Various are the objections in England. But
of these I shall only mention some. The substance through
the most destruction of the mineral portions which are
found in the Peruvian article and its sale but the property of
the greatest efficacy in the treatment of intermittent fevers.

It is now more generally given in the form of Tincture solution.
It is prepared by taking nearly four grains of the white oxide
of arsenic and the same quantity of sub-carbonate of potash
these are to be boiled together in a pint of distilled water,
until the arsenic be entirely dissolved. When the solution is
cold, add compound spirit of lavender, half an ounce and
as much of distilled water as will make the wine exactly 3xvi

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the use of this solution must be commenced in doses of four drops, three times a day, and gradually increased to double that quantity; its use being occasionally intermitted, not persisted in if it does not soon prove effectual, and immediately relinquished if it occasion nausea or purging.

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